Figure 1

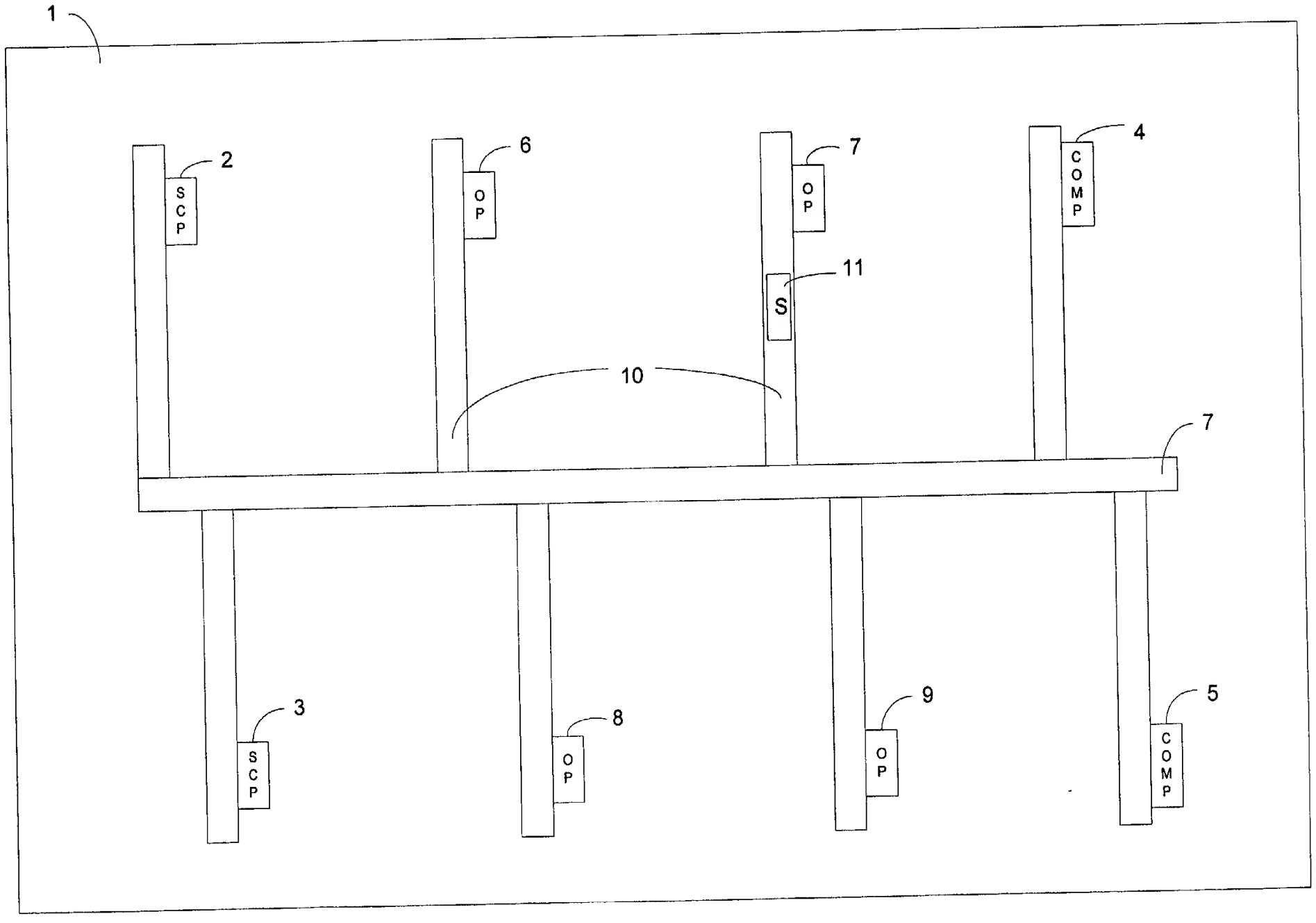


Figure 2

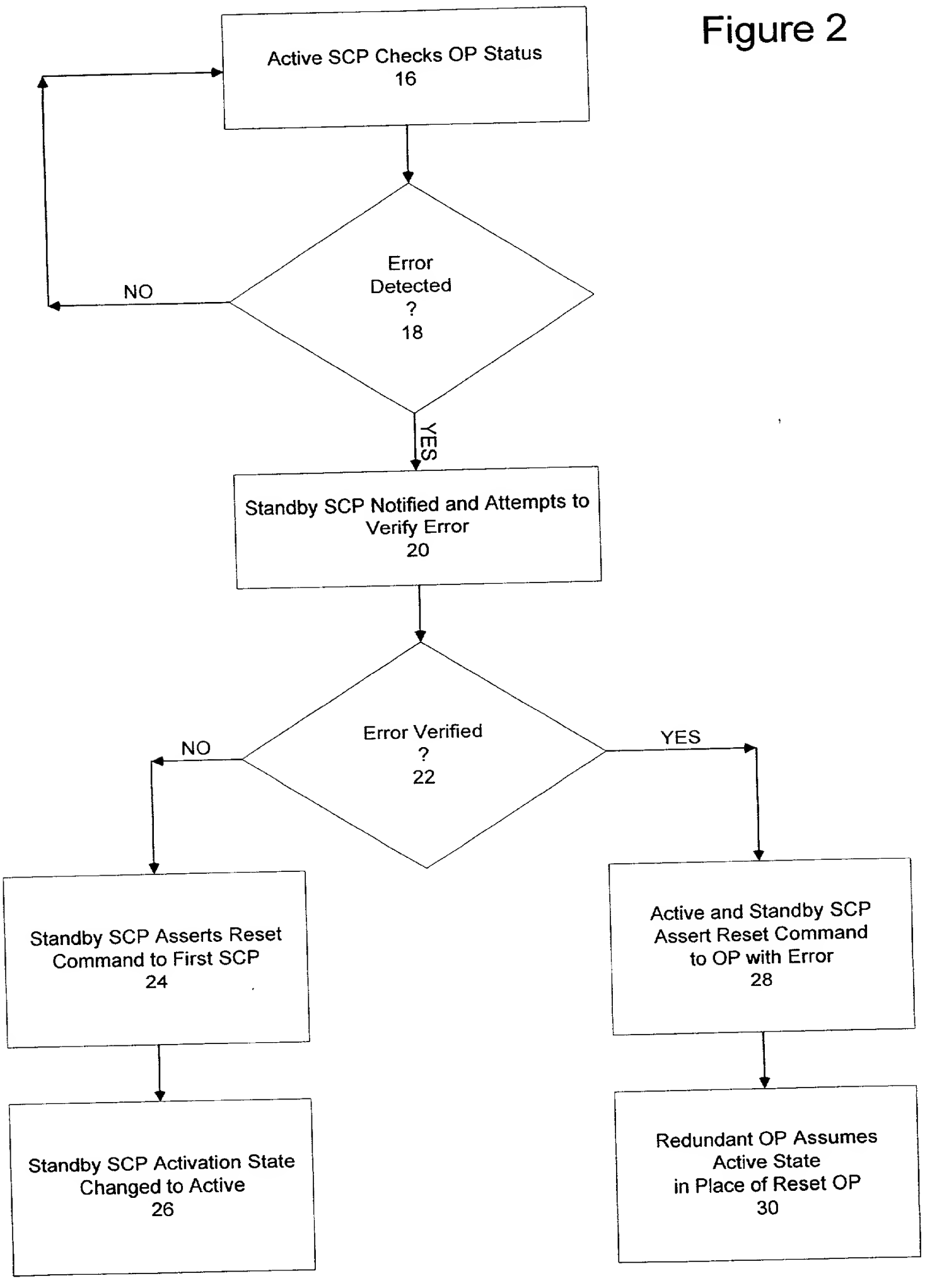

Active SCP Checks OP Status
16
Error
Detected
?
18
NO
YES
Standby SCP Notified and Attempts to
Verify Error
20
Error Verified
?
22
NO
YES
Standby SCP Asserts Reset
Command to First SCP
24
Standby SCP Activation State
Changed to Active
26
Active and Standby SCP
Assert Reset Command
to OP with Error
28
Redundant OP Assumes
Active State
in Place of Reset OP
30

Figure 3

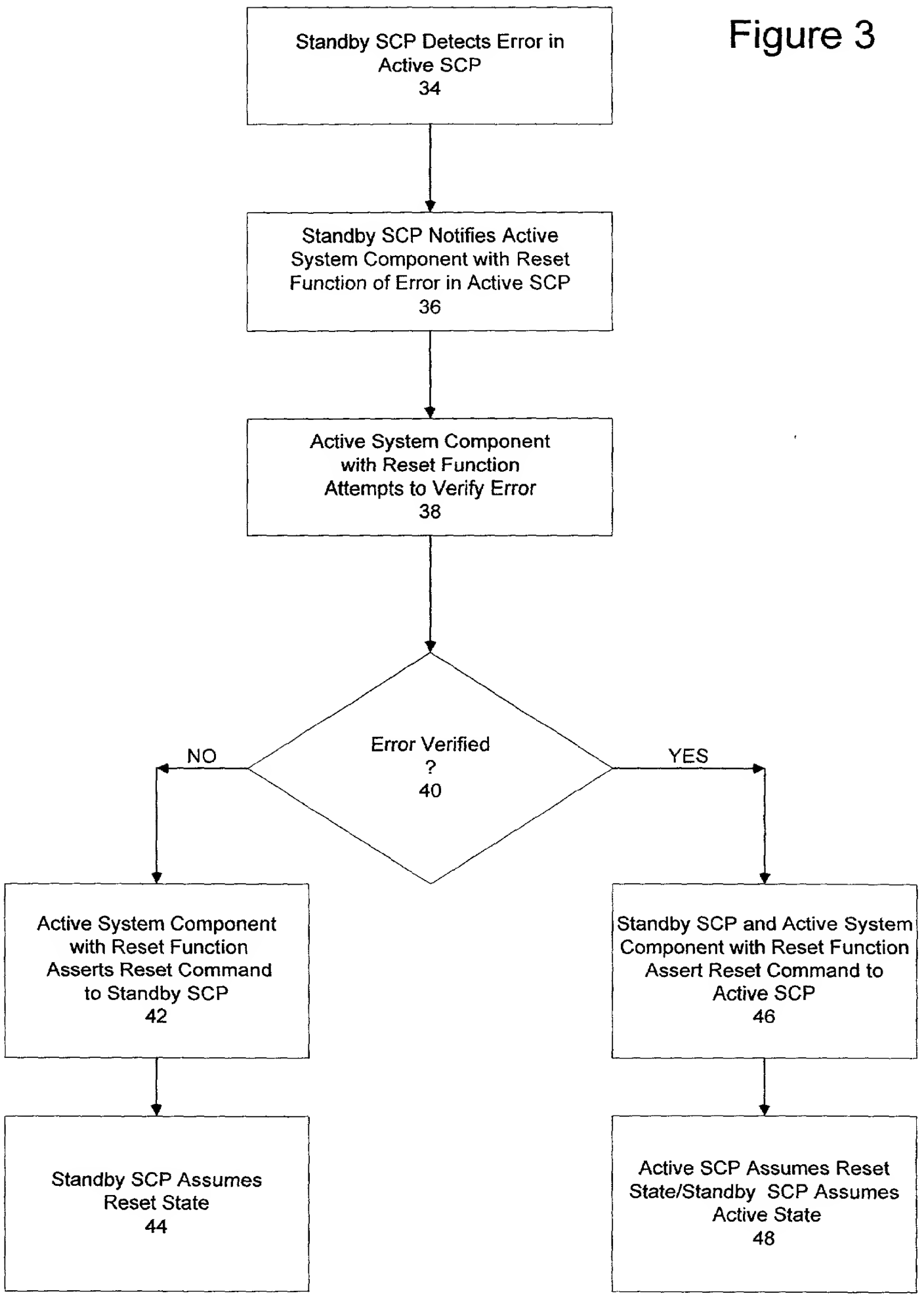
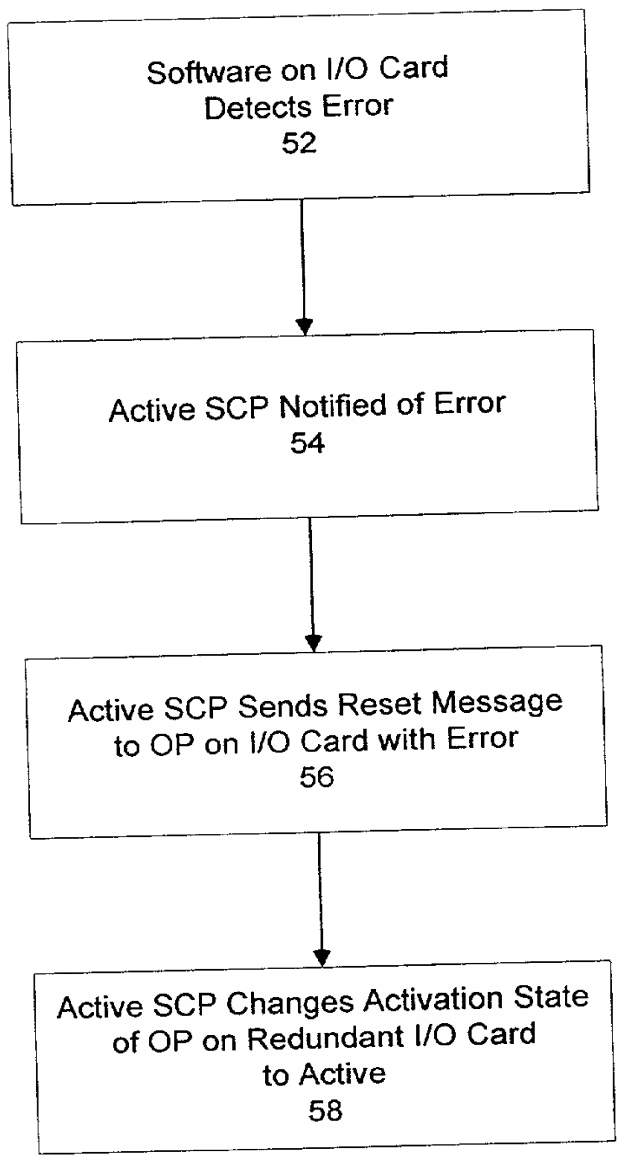

Standby SCP Detects Error in Active SCP
34
Standby SCP Notifies Active System Component with Reset Function of Error in Active SCP
36
Active System Component with Reset Function Attempts to Verify Error
38
Error Verified ?
40
NO
YES
Active System Component with Reset Function Asserts Reset Command to Standby SCP
42
Standby SCP Assumes Reset State
44
Standby SCP and Active System Component with Reset Function Assert Reset Command to Active SCP
46
Active SCP Assumes Reset State/Standby SCP Assumes Active State
48

Figure 4


Software on I/O Card
Detects Error
52
Active SCP Notified of Error
54
Active SCP Sends Reset Message
to OP on I/O Card with Error
56
Active SCP Changes Activation State
of OP on Redundant I/O Card
to Active
58